

2 - Ores (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

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SRM	670	690	691	692	693	886	1835	2430
Description	Rutile Ore	Iron Ore Canada	Iron Oxide, Reduced	Iron Ore, Labrador	Iron Ore (Nimba)	Refractory Gold Ore	Borate Ore	Scheelite Ore
Unit Size	(90 g)	(100 g)	(100 g)	(100 g)	(100 g)	(200 g)	(60 g)	(100 g)

(Concentrations are in mass fractions, in %, unless noted by an asterik for mg/kg)

Aluminum (Al)								(0.4)
Aluminum oxide (Al_2O_3)	0.18	1.22	1.41	1.04			3.474	
Antimony (Sb)								(<0.01)
Arsenic (As)		(14*)						0.002
Barium oxide (BaO)							0.0497	
Bismuth (Bi)								0.078
Boron oxide (B_2O_3)							18.739	
Cadmium (Cd)		(<5*)						
Calcium oxide (CaO)	0.20	0.63	0.023	0.016			21.622	
Carbon (C)		0.12					(5.7)	
Chromium (Cr)		(0.03)						
Chromium oxide (Cr_2O_3)	0.23							
Cobalt (Co)		0.030						
Copper (Cu)		0.032						(0.01)
Fluorine (F)							0.348	

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Gold (Au)						8.25*	
Iron (Fe)	66.85	90.8	59.58	65.11			(1.0)
Iron oxide (Fe_2O_3)	0.86					1.141	
Lead (Pb)		(<20*)					
Loss on Ignition-See certificate for conditions						25.724	
Magnesium (Mg)							(0.5)
Magnesium oxide (MgO)	0.18	0.52	0.035	0.013		3.411	
Manganese (Mn)							(0.12)

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Manganese oxide (MnO)	0.23	0.043	0.46	0.091	0.0333
Molybdenum (Mo)		(<20*)			0.22
Nickel (Ni)		(0.3)			
Nitrogen (N)		(50*)			
Phosphorus (P)	0.011	0.006	0.039	0.056	0.017
Potassium (K)		(0.06)			1.261 (0.16)
Potassium oxide (K₂O)	0.0030		0.039	0.0028	
Silicon dioxide (SiO₂)	0.51	3.71	3.7	10.14	3.87
					18.408

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Sodium (Na)						(0.02)
Sodium oxide (Na₂O)	0.003	0.186	0.008	0.0028	3.484	
Strontium oxide (SrO)						0.9418
Sulfur (S)	0.003	0.008	0.005	0.005	1.466	0.26
Sulfur trioxide (SO₃)						1.477
Tantalum (Ta)						(<0.01)
Tin (Sn)		(<10*)				
Titanium dioxide (TiO₂)	96.16	0.022	0.27	0.045	0.035	0.1332
Tungsten trioxide (WO₃)						70.26
Vanadium (V)		(135*)				
Vanadium pentoxide (V₂O₅)	0.66					
Zinc (Zn)		(40*)				
Zirconium dioxide (ZrO₂)	0.84					

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